

TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
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PRODUCT EVALUATION

WIN-1831

Effective Date: November 1, 2013

Reevaluation Date: **March 2016**

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

142.194DH-018/143/145.195 Vinyl Double Hung Windows, New and Replacement Construction, Impact Resistant, by

Earthwise Group, LLC, manufactured by
Showcase Custom Windows and Doors
1702 Cullen Blvd.
Houston, Texas 77023
Telephone: (713) 926-8500

General Description:

System	Description	Label Rating	Design Pressure Rating
1	142.194DH-018/143/145.195 Vinyl Double Hung Windows	H-R50 48 x 72 Missile Level D	± 50 psf

Product Dimensions:

System	Overall Size	Top Sash	Bottom Sash
1	48" x 72"	43.38" x 34.63"	44.38" x 35.63"

Product Identification (Certification Agency Label on Window): Two certification program labels (Keystone) will be affixed to the windows. The certification program labels include the manufacturer's CAR number; product name; performance characteristics; and the approved inspection agency (Keystone). One label includes the following applicable standard: AAMA/WDMA/CSA 101/I.S.2/A440-05. The second label includes the following applicable standards: ASTM E 1886-05 and ASTM E 1996-06. The manufacturer is also permitted to have one Keystone label indicating both approvals.

Each certification label contains a Certification Authorization Report (CAR) number located on the top right side of the label and a model name for the window. The following CAR numbers and model names are located on each label:

Label Identification:

System	Model	Certification Authorization Report (CAR) number	
		Label with AAMA/WDMA/CSA 101/I.S.2/A440-05	Label with ASTM E 1886-05 / ASTM E 1996-06 Missile Level D
1	142.194DH- 018/143/145.195 NC/Rep Imp DH	839-1036	839-213

Impact Resistance:

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the Inland I and Seaward zone . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded

Installation (One of the following):

System		
1	Type of Installation	New Construction – Nailing Fin
	Wall Framing	Spruce-Pine-Fir
	Fasteners	Minimum No. 8 Screws
	Fastener Location/Spacing	Located approximately 2 inches from each corner and approximately 10 inches on center along the perimeter
	Fastener Penetration	Minimum of 1 ½ inches into the wall framing members
	Type of Installation	Replacement Construction – Frame
	Wall Framing	Spruce-Pine-Fir
	Fasteners	Minimum No. 8 Screws
	Fastener Location/Spacing	Along each side jamb, located approximately 2 inches from each corner and approximately 16 inches on center along the perimeter. No fasteners along the head and the sill.
	Fastener Penetration	Minimum of 1 ½ inches into the wall framing members

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.